Design a **Car model class** under **package :package6** with the following attributes:

|  |  |
| --- | --- |
| **Member Field Name** | **Type** |
| licenceNumber | String |
| Model | String |
| currentMileage | Double |
| engineSize | Integer |

Mark all the attributes as private & create appropriate Getters & Setters

Design another **class as Main** under **package :package6**, where you need to implement logic as follows:

* Declare an array as Car with size 10.
* Take 10 Car’s information from user and store them in specified array.
* Call **findCarList** method from Main class to get all cars information related to a given current Mileage & engine Size
* Current Mileage & engine Size values should be taken from Main class and pass to **findCarList** method as argument as well as Car array (with size 10).

Design **findCarList** method in **Car class** as follows:

* it will take current Mileage & engine Size as parameters and array of cars (with size 10)
* displays List of cars which have more than current Mileage and engine Size(both) for the given current Mileage & engine Size values.
* If there are no cars , then **shows “No cars found”.**



output:

Enter licence number : a

Enter model : a

Enter Current Mileage : 1

Enter Engine Size : 1

Enter licence number : b

Enter model : b

Enter Current Mileage : 2

Enter Engine Size : 2

Enter licence number : c

Enter model : c

Enter Current Mileage : 3

Enter Engine Size : 3

Enter licence number : d

Enter model : d

Enter Current Mileage : 3

Enter Engine Size : 4

Enter licence number : e

Enter model : e

Enter Current Mileage : 3

Enter Engine Size : 5

Enter licence number : f

Enter model : f

Enter Current Mileage : 2

Enter Engine Size : 4

Enter licence number : g

Enter model : g

Enter Current Mileage : 4

Enter Engine Size : 6

Enter licence number : h

Enter model : h

Enter Current Mileage : 5

Enter Engine Size : 4

Enter licence number : i

Enter model : i

Enter Current Mileage : 3

Enter Engine Size : 7

Enter licence number : j

Enter model : j

Enter Current Mileage : 3

Enter Engine Size : 8

Enter the current mileage : 3

Enter the engine size : 4

Licence number : g

Model : g

Current Mileage : 4.0

Engine Size : 6

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